

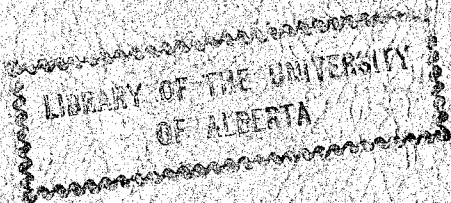
Local Board
of Health
Annual Report
1952

20 SEP 1954

REPORT

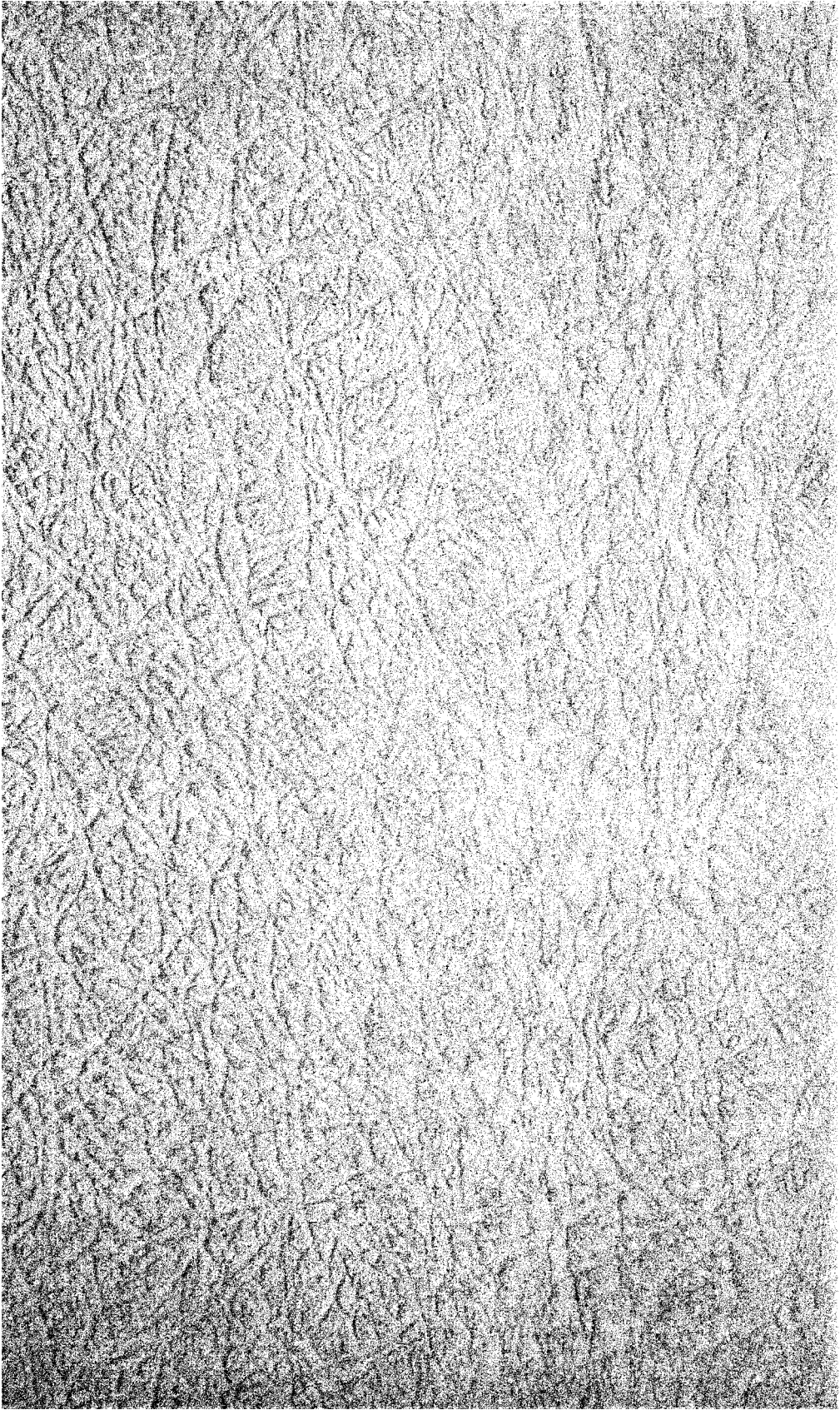
of the

Local Board of Health



THE CITY OF EDMONTON
ALBERTA

1952



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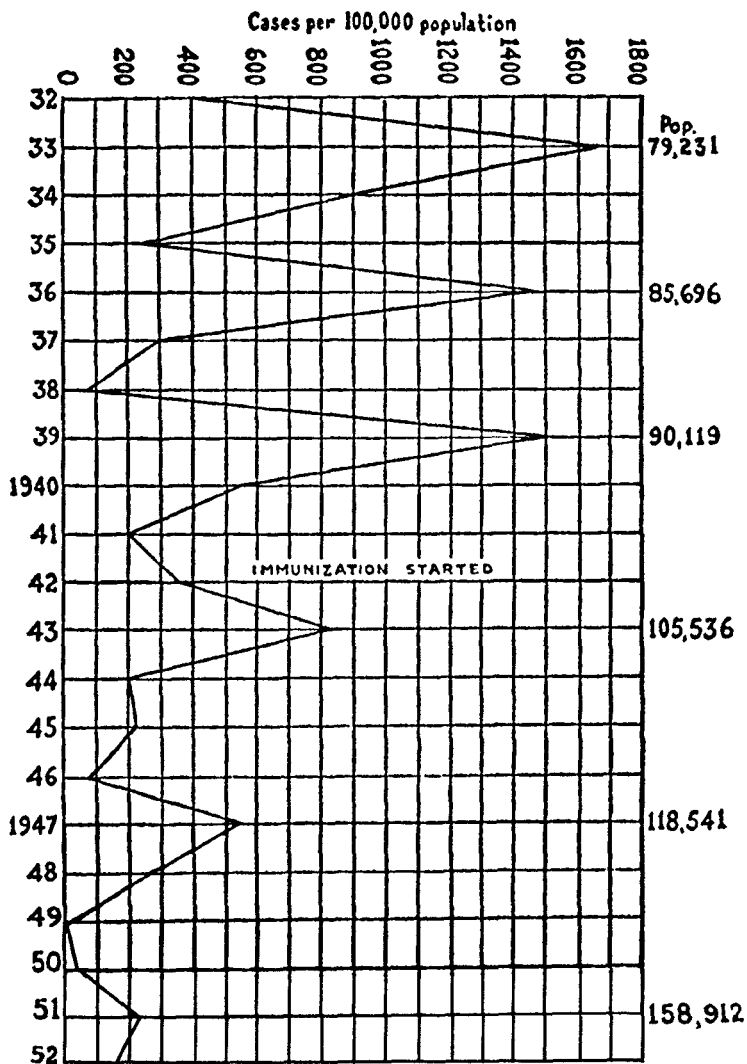
Medical Officer of Health G M. Little, M.D., D.P.H.
 Asst. Medical Officer of Health G. H. Ball, M.B., Ch.B., D.P.H.
 Consultant, Child Health Services D. B. Leitch, M.B., F.R.C.P., F.R.C.S.
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 Sr. Nurse, School Health Lord, Miss A.
 Sr. Nurse, Well Baby Clinic Christensen, Miss S. C.
 Sr. Nurse, Inoculation Clinic Griffith, Miss M.
 Chief Sanitary Inspector Alexander, L. G., C.S.I., (C)
 Milk and Dairy Inspector Meredith, R. B., C.S.I. (C)
 Chief Food Inspector Morrison, Dr. D. M., V.S.
 Secretary, Board of Health Rose, Miss C. R.

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WHOOPING COUGH MORBIDITY

EDMONTON, 1932 - 1952



This disease has been characterized by a high peak of incidence every third year until Sauer-type vaccine was introduced in 1942. Since that time these peaks are markedly lowered and are further apart. This has occurred during a period of rapid increase and overcrowding in our population.

Annual Report of the Medical Officer of Health

Chairman and Members
Local Board of Health
Edmonton, Alberta

Ladies and Gentlemen:

Following is a report of the activities of our Board and certain other health agencies of our City during 1952:

BIRTHS:

Resident births numbered 5,748, an increase of 693 over the previous year. The birth-rate increased by 2.2 per 1,000 population. This would appear to reflect reasonable prosperity and the influx of younger parents to our City, as the local marriage rate has declined 3 per thousand population during the past five years.

DEATHS:

The general death-rate showed little change. It is notable, however, that deaths from tuberculosis have been reduced by 70 percent during the past five years. This is a credit to the Provincial Tuberculosis Division and to the Alberta Tuberculosis Association. Pneumonia deaths have been reduced by 37 percent in the same period. Infant mortality gave a slight increase, but still remains among the lowest. The death-rate from all accidents, including suicide, remained the same as in the previous year. Deaths from automobile accidents, however, were increased by 21.9 percent.

COMMUNICABLE DISEASES:

Communicable diseases showed a marked reduction from 1951. For the third year in succession, a single case of diphtheria has prevented us from having a perfect year in this respect. An epidemic of poliomyelitis attacked our population more lightly than that in many parts of our province. However, 95 cases and 7 deaths were reported from this disease in our City. It no longer conforms with the name of "Infantile Paralysis", for 34 of these cases and 3 of the 7 deaths were over twenty years of age. Whooping cough, our most serious common communicable disease at present, continued its downward trend.

CLINICS:

Our immunization clinic, with an attendance of 19,928 for the year, has been a popular and valuable service. That diphtheria has practically disappeared from our community, with whooping cough following it into the class of rare diseases, is largely due to the activities of this clinic.

Supervision of feedings and physical development of children in our well baby and pre-school clinic has brought a grateful response from many mothers. Their appreciation is indicated by an attendance of 14,851 at this clinic. The clinic nurses made 2,216 home visits where further assistance and advice was indicated.

SCHOOL HEALTH SERVICES:

Administration of public and separate school medical services was assumed by this Board on April 1st, 1952. A full-time health officer, two nurses and a dental hygienist were added to this service during the year. The Board of Health also assumed the cost of furnishing medical rooms in all new schools, of which eight were under construction during the year. We have appreciated the courteous consideration of School Boards and staff personnel of the school services. With their continued co-operation we feel confident that we shall develop a school medical service second to none in its practical value to the physical and mental health of our school children.

SANITATION:

The continued rapid increase of our population presents a multiplicity of problems for our sanitary officers. Unhappily, a very extensive building of homes still leaves us with much overcrowding of dwelling space in our City, and a not inconsiderable portion of this accommodation would not be tolerated if any better alternative offered. It is to be hoped that Federal, Provincial and Municipal governments may work out more adequate plans for reasonably low-cost housing. This problem intimately concerns the health and happiness of many of our citizens. Sanitation of the food-handling establishments in our City has reached a higher standard than has ever before been achieved, as evidenced by the results of more than 1,000 bacteriological tests made. Constant analyses of water and milk supplies are carried out. Water samples are examined daily in laboratories at the water plant, the University, and our own department. Examination of over 10,000 milk samples in our own laboratory, and frequent inspection of 482 dairy farms, as well as pasteurizing plants, gives considerable assurance of the purity of this essential food product. Our veterinarian condemned 50,230 pounds of diseased meats during the year.

GENERAL:

Council set aside funds for construction of an urgently needed combined immunization and well-baby and pre-school clinic for South Edmonton at a total cost of \$55,000. Federal and Provincial governments have contributed \$22,292.00 toward this project. This clinic will open in April, 1953 and will be a very great convenience to mothers on the South Side.

Provincial and Federal grants also contributed \$45,000 toward the general operation of our Board during the year, with a promise of continuing support. These grants, coming at a time of rapid expansion and increasing need for services, have been a very timely assistance. We are most grateful for this help.

In assessing our accomplishments for the year we acknowledge help from many sources. Provincial and University of Alberta officials have been generous with technical assistance. City Commissioners and almost every City department have given willing help in solving many diverse problems.

Finally, your staff wishes to thank the members of the Board for their friendly and co-operative attitude which has lent a good deal of encouragement to our health workers.

Respectfully submitted,

G. M. LITTLE,
MEDICAL HEALTH OFFICER.

EXPENDITURES—1952

1. Salaries	\$125,002.81	
2. Supplies	6,079.50	
3. Transportation	6,997.62	
4/6. Telephones, Sundries, Uniforms	3,288.21	
7. Pensions	5,610.96	
8/10. Equipment and Furnishings (School Health)	2,449.33	
9. Insurances	727.08	
	\$150,155.51*	Cost per Capita - 88c
REVENUE		
Permits, Meat Inspection	\$ 1,337.85	
License Dept.	1,500.00	
Grants	45,194.37	
	\$48,032.22	
	\$114,378.50*	

EXPENDITURES CLASSIFIED—1952

	Administration	Communicable Disease	Dairy Inspection	Food Inspection	Public Health Nursing	Sanitation	School Health Services	Vital Statistics	Bath House	TOTALS
1. Salaries	\$13,749.72	\$11,618.57	\$8,091.27	\$5,466.97	\$11,240.67	\$27,611.08	\$46,226.63	\$881.43	\$116.47	\$125,002.81
2. Supplies	1,663.14	310.19	83.94	—	386.88	2,295.72	1,571.60	—	—	6,997.62
3. Transportation	480.00	767.32	1,070.86	300.00	512.12	216.26	3,280.50	—	138.59	6,079.50
4. Telephones	189.97	111.62	57.14	17.76	119.64	91.20	156.39	—	—	743.72
5. Sundries	630.26	6.48	32.12	31.22	366.62	7.41	1,133.16	—	—	2,207.22
6. Uniforms	—	—	—	—	182.42	111.00	43.80	—	—	337.22
7. Pensions	5,610.96	—	—	—	—	—	—	—	—	5,610.96
8. Equipment	536.41	—	—	—	—	—	—	—	—	616.28
9. Insurances	363.54	—	—	—	—	—	—	—	—	727.08
10. Furnishings	—	—	—	—	—	—	1,833.05	—	—	1,833.05
	\$23,224.00	\$12,814.18	\$9,335.33	\$5,815.95	\$12,808.35	\$30,332.67	\$54,688.54*	\$881.43	\$255.06	\$150,155.51*
	15.47%	8.53%	6.22%	3.87%	8.53%	20.20%	36.42%	0.59%	0.17%	100%
						*School Health Services—nine months only				

SUMMARY OF STATISTICS

Area of City, 26,778 acres including 1,000 acres of water and 2,147 acres in Parks.

	1952	1951	1950	1949	1948
Population.....	169,196	158,912	148,861	137,469	126,609
Persons per acre of land.....	6.3	5.9	5.4	5.0	4.7
Cost per capita.....	.88	.55	.51	.52	.51
School enrolment	28,094	24,904	23,306	21,452	19,859
Natural increase of population	4,482	3,922	3,481	3,282	2,935
Births					
Total births	8,309	7,459	6,813	6,514	5,928
Resident births only	5,748	5,055	4,622	4,246	3,938
Resident rate per 1,000 population.....	33.3	31.1	31.3	30.8	31.1
Stillbirths					
Total stillbirths	141	115	82	97	90
Resident stillbirths only	97	79	59	57	54
Resident stillbirth rate per 1,000 living births	16.8	15.5	12.8	13.4	13.7
Deaths					
Total deaths	2,064	1,682	1,694	1,609	1,482
Resident deaths only	1,266	1,133	1,141	964	1,003
Resident rate per 1,000 population.....	7.4	7.1	7.6	7.0	7.9
Infant Mortality					
Total deaths under 1 year of age.....	228	183	196	161	204
Resident deaths under 1 year of age..	154	117	118	99	126
Resident rate per 1,000 living births	26.9	23.1	25.5	23.3	31.9
Maternal Mortality					
Maternal deaths (city only).....	0	1	1	2	1
Rate per 1,000 living births.....		.19	.21	.47	.25
Marriages					
Marriages	2,818	2,722	2,649	2,539	2,490
Rate per 1,000 population.....	16.6	17.7	17.2	18.4	19.6

VITAL STATISTICS

Births	1952	1951	1950	1949	1948
Total Births	8,309	7,459	6,813	6,514	5,928
Resident Births only	5,748	5,055	4,622	4,246	3,938
Male	3,023	2,581	2,357	2,197	2,121
Female	2,725	2,474	2,265	2,049	1,817
Double Births	51	52	43	44	42
Triple Births	2	—	—	—	—
Resident Illegitimate Births.....	211	198	196	211	188
Total Illegitimate Births	386	394	390	441	436
Born in Institutions	5,744	5,051	4,621	4,239	3,934
Maternal Parentage:					
Canada	4,860	4,475	4,156	3,769	3,463
British Isles	325	223	209	245	290
Europe and Asia	424	250	155	146	114
U. S. A.	121	92	68	87	62
Other Countries	17	15	4	9	9

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH

	-20	20-24	25-29	30-34	35-39	40-44	Ov'r 45	Number	%
1st Child	321	1026	576	186	73	7	—	2189	38.0
2nd Child	62	531	663	322	106	19	—	1703	30.0
3rd Child	5	170	391	325	131	14	1	1037	17.9
4th Child	—	47	144	165	74	34	—	464	8.0
5th Child	—	7	45	70	52	13	2	189	3.1
6th Child	—	1	17	27	37	14	—	96	1.7
7th Child	—	—	3	12	18	3	—	36	.7
8th Child	—	—	2	5	8	3	—	18	.3
9th Child	—	—	—	2	4	1	—	7	.1
10th Child & over ..	—	—	—	1	2	6	—	9	.2
TOTAL	388	1782	1841	1115	505	114	3	5748	100%

Stillbirths	1952	1951	1950	1949	1948
Total Stillbirths	141	115	82	97	90
Resident Stillbirths only	97	79	59	57	54
Male	37	35	21	31	30
Female	60	44	38	26	24
Born in Institutions	97	79	59	57	54

Cause of Foetal Deaths:

Dystocia	42	28	21	21	13
Prematurity	7	5	5	6	8
Toxaemia of Pregnancy	4	4	6	6	7
Malformation	17	—	10	13	8
Placenta and Membranes ..	13	10	5	9	6
Traumatism, Overwork	—	1	1	—	—
Syphilis	—	2	1	—	1
Other Conditions	15	29	10	7	11

Deaths	1952	1951	1950	1949	1948
Total Deaths	2,064	1,682	1,694	1,556	1,609
Resident Deaths only	1,266	1,133	1,141	964	1,003
Male	793	675	695	580	600
Female	473	458	446	384	403
Resident rate per 1,000 Pop. ..	7.4	7.1	7.6	7.0	7.9

Racial Origin

Canada	441	481	384	295	282
British Isles	398	361	381	346	399
Europe and Asia	271	210	224	180	197
U. S. A.	75	73	64	54	65
Other Countries	81	108	88	88	60

Infant Mortality	1952	1951	1950	1949	1948
Total Deaths under 1 year	228	183	196	161	204
Resident Deaths under 1 year ..	154	117	118	99	126
Male	93	72	66	50	80
Female	61	45	52	49	46
Legitimate	140	100	114	91	113
Infant Mortality Rate per 1,000 living births	26.9	23.1	25.5	23.3	31.9

INFANT MORTALITY, 1952

	SEX		BY MONTH												BY AGE					Total Under 1 Month	1-3 Months	4-6 Months	7-9 Months	10-12 Months
	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week					
Whooping cough	1	1	1																	1	1			
Diseases of thymus gland	1	1																						
Mental deficiency	2	1	1									1								2				
Encephalitis	1	1											1											1
Otitis media without mention of mastoiditis	1	1												1							1			
Influenza with pneumonia	1	1																			1			
Pneumonia	9	4	5	1	1	1	1	1	1	1	1	1	3								6	1	2	1
Bronchitis	1	1																			1			1
Other diseases of lung and pleural cavity	1	1																			1			
Diseases of oesophagus	1	1																			1			
Diseases of stomach and duodenum	2	1	1									1	1	1							1	1	1	
Diseases of liver, gallbladder, pancreas	2	1	2			1						1	1	1							1	1	2	
Diseases of urinary system	2	1	1									1	1								1			
Other diseases of muscle, tendon and fascia	1	1						1																
Monstrosity	3	3					1				1	1			3						3			
Spina bifida and meningocele	5	3	1	3	1	1						1			1		3	1	1	5	2		1	1
Congenital hydrocephalus	8	3					1					1			1					1	2			
Other congenital malformations, nervous system	2	1	1										1											1
Congenital malformations circulatory system	8	1		1			1		1	1	2			2	3			2		5	2	1		
Congenital malformation digestive system	5	3	2				1			1			1	1	1	2	1			4				1
Congenital malformations genito-urinary system	4	3	1				1						2	1		3				1	4			
Cong. malformations of bone and joint	2	1						1												1				
Intracranial and spinal injury at birth	3	6	2	1			2		1	1			2		3		4			1	7		1	
Other birth injury	2	1	1					1					1					1		2				
Postnatal asphyxia and atelectasis	26	21	5	2	2	2	2	2	1	2	1	3	3	2	18	7				25			1	
Pneumonia of newborn	3	3													2					3				
Other sepsis of newborn	2	1	1			1						2			2		1	1		2				
Neonatal disorders arising from maternal toxæmia	3	1	2	1								1			1	2	1			3				
Haemolytic diseases of newborn	5	4	1				1				1				2	3				5				
Immaturity unqualified	39	27	12	2	3	2	5	2	3	1	5	3	6	7	24	11	3			38	1			
Ill-defined and unknown causes	1		1			1																		
Inhalation and ingestion of food causing suffocation	2	1	1		1	1															2			
Accidental mechanical suffocation in bed or cradle	2	1	1																		1			1
TOTALS	154	83	61	6	12	12	11	11	11	10	15	17	19	19	64	31	10	3	8	111	23	6	12	2

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1952

	Total	M	F	Under 1	1-5	5-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80-over	
				M	F	M	F	M	F	M	F	M	F	M	F
1. Tuberculosis of respiratory system	9	6	3	...	...	...	...	...	...	...	...	...	2	2	2
2. Tuberculosis, all other forms	4	2	2	...	...	1	...	...	1	...	...	1	...	...	...
3. Syphilis and sequelae	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Whooping cough	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...
12. Poliomyelitis	7	4	3	...	...	1	1	...	2	...	...	...	...	...	...
17. All other diseases, infective and parasitic	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...
18. Malignant neoplasms	213	122	91	...	...	2	2	1	1	2	9	29	15	39	24
19. Benign and unspecified neoplasms	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20. Diabetes mellitus	16	6	10	...	...	...	...	...	...	...	...	2	3	1	1
21. Anaemias	3	1	2	...	...	...	...	...	...	...	...	1	...	...	...
22. Vascular lesions affecting central nervous system	110	53	57	...	...	...	...	...	...	3	1	5	7	13	19
23. Nonmeningococcal meningitis	2	2	...	...	...	1	...	...	...	...	...	...	...	...	...
24. Rheumatic fever	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
25. Chronic rheumatic heart disease	13	4	9	...	...	...	...	...	1	4	...	...	2	...	...
26. Arteriosclerotic, degenerative heart disease	201	90	110	...	...	...	...	3	13	3	34	6	66	18	54
27. Other diseases of heart	29	19	10	...	...	...	1	1	...	...	2	4	1	5	6
28. Hypertension with heart disease	39	17	22	...	...	...	...	...	3	3	1	3	4	4	6
29. Hypertension without heart disease	11	6	5	...	...	...	1	...	...	...	2	2	1	...	...
30. Influenza	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...
31. Pneumonia	41	23	18	...	...	1	...	1	1	1	...	...	5	1	4
32. Bronchitis	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...
33. Ulcer of stomach and duodenum	10	8	2	...	...	...	...	...	1	1	...	2	1	...	...
34. Appendicitis	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
35. Intestinal obstruction and hernia	8	3	5	...	...	...	...	...	...	...	1	...	...	2	2
36. Gastritis, duodenitis, enteritis, colitis, except diarrhoea of newborn	3	2	1	...	...	...	...	...	...	...	...	...	2	...	...
37. Cirrhosis of liver	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...
38. Nephritis and nephrosis	15	14	1	...	...	...	...	...	...	1	...	...	2	...	...
39. Hyperplasia of prostate	14	1	...	...	...	...	...	1	...	2	...	1	...	2	...
41. Congenital malformations	38	17	21	...	...	...	...	...	...	...	1	...	...	3	...
42. Birth injuries, postnatal asphyxia, atelectasis	37	28	9	...	...	1	...	...	...	...	...	...	...	...	...
43. Infections of newborn	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...
44. Other diseases peculiar to early infancy, immaturity unqualified	47	32	15	...	...	...	...	...	...	...	...	...	...	...	...
45. Senility, without mention of psychosis ill-defined, unknown causes	32	27	5	...	...	...	...	...	...	...	...	...	...	...	...
46. All other diseases	140	85	55	...	...	1	...	1	1	3	...	...	5	...	9
47. Motor vehicle accidents	41	34	7	...	...	1	2	2	3	4	4	8	5	19	9
48. All other accidents	52	37	15	...	...	...	...	...	...	...	1	5	1	3	1
49. Suicide and self-inflicted injury	13	8	5	...	...	3	10	1	10	1	4	2	...	2	2
50. Homicide	1	...	...	...	...	...	...	...	...	1	1	1	...	1	...
TOTALS	1236	793	473	93	61	8	9	9	6	3	30	10	29	15	49

PRINCIPAL CAUSES OF DEATH, 1952

		Total	Male	Female	% of Total Deaths	Rate per 100M Population
410-434	Diseases of the heart.....	320	220	100	23.7	189.1
140-205	Malignant neoplasms, including neoplasms of lymphatic and haematopoietic tissues	213	122	91	17.7	125.8
750-776	Diseases of early infancy.....	127	81	46	10.0	74.4
330-334	Vascular lesions affecting central nervous system	110	53	57	8.7	26.2
800-999	External causes	107	79	28	8.4	51.4
440-447	Hypertension	50	23	27	3.9	29.5
490-493	Pneumonia	41	23	18	3.2	24.2
260	Diabetes Mellitus	16	6	10	1.2	9.4
590-594	Nephritis and Nephrosis	15	14	1	1.1	8.8
610	Hyperplasia of Prostate	14	14	..	1.1	8.3
	All other diseases	253	158	95		
TOTALS		1266	793	473		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1952	1266	320	23.7	189.1
1951	1133	280	24.7	176.2
1950	1141	291	25.5	195.4
1949	964	287	29.7	208.7
1948	1003	291	29.0	238.5

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1952	1266	213	17.7	125.8
1951	1133	191	16.0	120.2
1950	1141	203	17.7	136.4
1949	964	159	16.4	115.6
1948	1003	160	15.9	136.3

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1952	1266	110	8.7	59.1
1951	1133	126	10.2	79.3
1950	1141	124	10.7	84.2
1949	964	101	12.5	74.1
1948	1003	113	11.1	89.2

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1952	1266	13	1.02	7.6
1951	1133	13	1.1	8.1
1950	1141	22	1.9	14.9
1949	964	25	2.5	18.1
1948	1003	33	3.2	26.0

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1952	1266	41	3.2	24.2
1951	1133	42	3.7	26.4
1950	1141	39	3.4	26.0
1949	964	47	4.8	41.4
1948	1003	48	4.7	38.7

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	All Other Accidents	Percentage of Deaths	Rate Per 100M Population
1952	1266	107	79	28	13	1	41	52	8.4	57.3
1951	1133	91	65	26	11	1	32	47	7.1	57.3
1950	1141	98	71	27	14	5	29	50	8.5	65.8
1949	964	73	57	16	10	3	20	40	7.4	53.0
1948	1003	57	40	17	6	....	17	34	5.6	45.8

IMMUNIZATION RECORD, 1952

	Board of Health	School Health Services	Private Physicians
Diphtheria			
1st Dose	3,341	1,499	360
Re-inforcing doses	325	5,244	
Total doses	11,838	6,743	
Whooping Cough			
1st Dose	3,291	196	202
Re-inforcing doses	2,271	64	
Total doses	13,546	260	
Tetanus			
1st dose	3,420	190	198
Re-inforcing doses	9		
Total doses	11,512	190	
Scarlet Fever			
1st dose	283		11
Re-inforcing doses	258		
Total doses	1,446		
Typhoid			
1st dose	107		11
Re-inforcing doses	25		
Total doses	295		
Smallpox			
Smallpox vaccinations	2,546	1,905	397
Cholera			
1st dose	18		
Total doses	34		
Typhus			
1st dose	12		
Total doses	25		
Rocky Mountain Spotted Fever			
1st dose	1		
Total doses	3		
Others			
1st dose	3		
Total doses	5		
Measles Serum			10
Dick Test	64		1
Schick Test	30		14

IMMUNIZATION CLINIC

	1952	1951	1950	1949	1948
No. of persons receiving 1st doses	8,969	8,688	9,235	10,703	7,325
No. persons receiving re-inforcing doses	2,598	2,731	2,847	2,949	2,970
Total Procedures	42,808	41,185	36,216	37,910	27,837
Attendance	19,928	19,770	21,624	24,811	18,177
No. of clinics held	249	248	250	249	249
Average attendance	80	80	86	100	73
Persons attending from out of town	627				
Phone calls	2,397				

During the year there were 231 student days.

COMMUNICABLE DISEASES, 1952 - 1948

	1952		1951		1950		1949		1948	
	C	D	C	D	C	D	C	D	C	D
Chickenpox.....	2,194	....	2,154	..	1,327	....	1,209	....	927	....
Diphtheria.....	1	..	1	..	1	..	2	1	2	....
Diphtheria carriers.....	....	....	....	....	2	....	2	....	12	....
Dysentery.....	1	....	2	....	1	....	3	....	2	1
Encephalitis.....	2	2	1	..	5	2	....	....	....	....
Erysipelas.....	2	..	11	..	14	..	17	....	22	....
Food Poisoning.....	3	..	4	..	5	....	5	....	....	....
Influenza.....	..	3	....	4	..	3	....	3	....	....
Hepatitis (infectious).....	2	1	5	....	1	..	....	....	....	....
Malaria.....	....	....	....	....	....	....	1	....	....	....
Measles.....	484	....	3,114	..	465	1	3,080	1	1,285	..
Meningitis (Meningococcic).....	3	..	3	..	2	....	5	....	2	1
Mononucleosis (infectious).....	2	....	3	....	5	....	5	....	....	....
Mumps.....	517	....	759	....	2,345	..	424	1	196	1
Paratyphoid.....	1	..	....	....	....	....	....	....	7	....
Paratyphoid carrier.....	....	....	....	....	....	....	....	....	1	....
Pneumonia (lobar).....	..	6	..	7	..	9	..	6	..	2
Poliomyelitis.....	95	7	9	..	38	2	28	..	88	6
Ringworm (microsporon audouini).....	....	....	3	....	10	....	7	....	....	....
Ringworm (others).....	....	....	....	....	1	....	4	....	....	....
Rubella.....	397	..	180	..	2,604	..	788	....	118	..
Scarlet Fever.....	1,449	..	514	..	499	2	121	....	83	....
Septic Sore Throat.....	21	..	9	..	29	..	7	..	2	..
Trachoma.....	....	....	....	....	....	....	1	....	....	....
Tuberculosis (Pulmonary).....	139	9	91	13	114	19	91	23	140	26
Tuberculosis (other forms).....	20	4	31	....	23	3	12	2	..	7
Typhoid Fever.....	..	....	1	....	..	....	1	....	1	....
Typhoid carriers.....	..	....	..	....	..	....	1	..	....	....
Undulant Fever.....	..	....	1	....	4	....	2	..	1	....
Vincent's Angina.....	3	..	9	....	12	..	4	..	9	....
Whooping Cough.....	197	1	345	..	30	..	3	..	364	2
Veneral Disease—										
Gonorrhoea.....	1,053	..	757	....	824	....	703	..	808	....
Syphilis.....	48	2	63	2	43	5	83	4	111	5
	6,634	35	8,069	27	8,303	47	6,590	41	4,181	51
Morbidity per 1,000 population.....	40.4		50.7		55.7		47.8		33.0	
C—Cases.										
D—Deaths.										

Communicable disease was responsible for 35 or 2.7% of the 1,266 city deaths during 1952.

Of the 35 deaths, 26 were over 20 years of age. 13 deaths were due to all types of Tuberculosis, and 7 were due to Poliomyelitis. 2 died from Syphilis.

33.2% or 2,194 cases of communicable disease were Chickenpox; Scarlet Fever accounted for 21.8%; Whooping Cough cases were 2.9% and Poliomyelitis was 95 or 1.6%.

	No. of Cases	Percent of Cases	No. of Deaths	Percent of Deaths
Pre-school cases—1 to 5 years.....	1875	28.2	5	14.3
School cases —6 to 14 years.....	3004	45.3	3	8.6
Over 14.....	1637	24.7	27	77.1
Age not stated.....	111	1.7	—	—
Armed forces.....	7	.1	—	—

COMMUNICABLE DISEASE BY SEASON AND SEX, 1952

	Total	Male	Female	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Non-Resident
Chickenpox.....	2194	1106	1088	240	134	114	91	178	263	239	65	79	137	290	384	3
Diphtheria.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Dysentery.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Encephalitis.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Erysipelas.....	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2
Food Poisoning.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hepatitis (Infectious).....	494	226	268	52	64	86	63	49	85	31	27	4	21	20	32	15
Measles.....	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	3
Meningitis (mening.).....	517	268	249	24	23	38	24	14	22	25	19	57	64	95	112	2
Mononucleosis (Infectious).....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Paratyphoid.....	95	47	48	1	1	1	1	1	1	1	1	1	1	1	1	1
Polymyelitis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ringworm.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rubella.....	397	175	222	53	70	59	36	19	37	19	16	10	11	15	52	1
Scarlet Fever.....	1447	709	740	109	135	182	157	161	173	78	29	48	77	109	191	8
Septic Sore Throat.....	21	14	7	4	13	1	1	1	1	1	1	1	1	1	1	1
Tuberculosis (pulm.).....	139	56	63	6	9	8	19	7	14	86	5	8	8	11	8	10
Tuberculosis (others).....	20	7	13	4	1	4	5	1	1	5	1	1	1	1	1	2
Typhoid.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Vincent's Angina.....	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Whooping Cough.....	197	98	99	26	6	12	9	14	7	19	25	27	11	23	18	15
Venereal Disease.....	1053	607	446	81	69	95	66	87	113	90	94	83	109	91	75	1
Gonorrhoea.....	48	31	17	4	9	8	1	8	1	3	1	2	8	2	1	1
Syphilis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTALS.....	6634	3375	3259	607	532	609	471	537	667	552	313	361	460	669	856	204

DEATHS	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Encephalitis (infectious).....	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Hepatitis (infectious).....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Influenza.....	3	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1
Pneumonia (lobar).....	6	5	1	1	1	1	3	1	1	1	3	1	1	2	1	1
Polymyelitis.....	7	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1
Syphilis.....	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Tuberculosis (pulm.).....	9	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1
Tuberculosis (others).....	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Whooping cough.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTALS.....	35	24	11	4	1	1	6	4	4	1	4	3	1	4	3	1

COMMUNICABLE DISEASE BY AGE, 1952

	City Cases	Male	Female	Under 1	1/4	5/14	15/19	Over 20	Age Not Stated	Armed Forces	Non- resident
Chickenpox.....	2194	1106	1088	137	728	1215	40	55	17	2	3
Diphtheria.....	1	1	1	...	1	1	...	...	...	...	2
Dysentery.....	1	1	1	...	1	...	...	...	...	...	1
Encephalitis.....	2	1	1	2	...	...	...	...	...	...	3
Erysipelas.....	2	1	1	1	...	...	...	2	...	...	2
Food Poisoning.....	3	1	2	...	...	1	...	2	...	...	...
Hepatitis (infectious).....	2	1	1	...	...	1	...	1	...	...	1
Measles.....	484	226	258	45	211	190	9	20	6	3	15
Meningitis (meningococci).....	3	1	2	1	2	...	...	...	...	...	3
Mononucleosis (infectious).....	2	2	...	...	1	1	...	1	...	...	2
Mumps.....	517	268	249	2	102	341	17	50	4	1	6
Paratyphoid.....	1	1	...	...	...	1	...	...	...	...	1
Polionymyeltis.....	95	47	48	...	17	36	8	34	...	...	126
Ringworm (others).....	...	...	...	...	...	...	...	...	...	...	1
Rubella.....	397	175	222	24	102	233	8	23	6	1	1
Scarlet Fever.....	1449	709	740	4	385	898	78	100	...	...	8
Septic Sore Throat.....	21	14	7	...	1	7	3	10	...	...	...
Tuberculosis (Pulmonary).....	139	76	63	...	5	6	11	66	51	...	10
Tuberculosis (all other forms).....	20	7	13	...	...	...	2	6	12	...	2
Typhoid.....	...	...	...	...	...	...	...	...	...	...	3
Vincent's Angina.....	3	2	1	...	1	...	...	1	1	...	...
Whooping Cough.....	197	98	99	28	93	71	...	5	...	...	15
Veneral Disease											
Gonorrhoea.....	1053	607	445	...	...	1	133	909	10	...	...
Syphilis.....	48	31	17	...	...	1	5	38	4	...	...
TOTALS	6634	3375	3259	243	1632	3004	314	1323	111	7	204
DEATHS											
Encephalitis (infectious).....	2	2	...	...	...	...	...	2	...	...	...
Hepatitis (infectious).....	1	1	1	...	...	...	...	1	...	...	...
Influenza.....	3	1	2	1	...	...	...	2	...	...	...
Pneumonia (lobar).....	6	5	1	1	...	...	...	5	...	...	...
Polionymyeltis.....	7	4	3	...	1	2	1	3	...	...	...
Syphilis.....	2	2	...	...	...	...	...	2	...	...	...
Tuberculosis (pulmonary).....	9	6	3	...	...	...	...	9	...	...	...
Tuberculosis (all other forms).....	4	2	2	...	1	1	...	2	...	...	...
Whooping cough.....	1	1	...	1	...	...	...	...	...	...	...
TOTALS	35	24	11	3	2	3	1	26	...	...	...

SCHOOL HEALTH SERVICES

On April 1st, 1952, the Health Services of the Public and Separate schools were placed under the administration of the Local Board of Health. A uniform service is now given all schools in the city. There has been an over-all increase in these services, and a full-time physician, two nurses and a dental hygienist were added to the previous staffs.

Modification of the broad scheme of the service has been effected in conformation with the recommendation of the Provincial Board of Health. This permits an increased amount of the medical officers' attention being applied to those children who show some physical or mental deviation from normal.

Examination by eye specialists, with necessary glasses, were provided for 41 children. Milk was supplied as a necessary nutritional adjunct to certain children. These are welfare services provided to the children of indigent parents.

The response to protective inoculation of the school group was excellent, and for the convenience of parents many pre-school children were also protected at the same clinics.

A most pressing widespread problem is undoubtedly the poor dental health of the average school child. The average consumption of sugar in the last forty years has risen from 15 pounds to 140 pounds per annum. Furthermore, despite all efforts, it is likely that this high sugar consumption will persist. The report of our school dentist for 1952 showed 79% of the children in Grades 2 to 6 with defective teeth. This persistent problem concerns not only the children, but also the adult citizens since poor dental health in the child predisposes to poor dental health in the adult. It follows, therefore, that every proven means at our command—dental supervision, dental education, and fluoridation of water supplies—should be applied energetically to combat this formidable problem.

Complete Physical Examinations

Number reported with defects	3,129
Number of pupils non-defective	5,572
Total	8,701
Parents present at Complete Physical	5,530
Parents invited to Complete Physical	7,785

Medical Inspection by Nurses

Number of pupils with defects	1,301
Number of pupils non-defective	4,345
Total	5,646

Medical Inspection by Doctors

Number of pupils with defects	513
Number of pupils non-defective	1,542
Total	2,055
Number of Children Inoculated	6,743
Number of Children Vaccinated	1,905

School Nursing Service

Talks to Classes	374
First Aid Treatments	7,983
Class Inspections	29,704
Special Inspections	19,776
Nutrition Inspections	30,481
Follow Up Inspections	7,393
Consultations with Parents	1,190
Homes Visited	1,784

DENTAL REPORT**Dental Hygiene** (Sept. to Dec.)

Number of schools visited	34
Number of health talks given	228
Toothbrushing demonstrations	228
Posters and Pamphlets mailed	1,660

Operative Dentistry

Number of operations	2,015
Number of completed cases	229

Dental Survey (Sept. to Dec.)

Number of schools visited	36
Number of children examined	6,382
Number of defective teeth, temp.	5,923
Number of defective teeth, perm.	6,180
Number of children without any defective teeth	1,345

ISOLATION HOSPITAL

One thousand and forty-nine patients were admitted to the Isolation Hospital during 1952. There were 121 out patients and 30 deaths.

Admissions to the hospital were for the following causes:

Scarlet Fever	697		
Diphtheria	3	Measles	11
Poliomyelitis	207	Rubella	2
Meningitis (Mening.)	5	Whooping Cough	24
Paratyphoid Fever	3	Chickenpox	10
Encephalitis	3	Mumps	11
Septic Sore Throat	4	Vincent's Angina	1
Erysipelas	5	Others	63

DEATHS:

Poliomyelitis	26
Measles and Encephalitis	1
Scarlet Fever	1
Others	2

TUBERCULOSIS CONTROL

	1952	1951	1950	1949	1948
Cases—Pulmonary Tuberculosis	139	91	114	91	140
All other forms	20	31	23	12	—
Deaths—Pulmonary Tuberculosis	9	13	19	23	26
All other forms	4	—	3	2	7
*Rate—Pulmonary Tuberculosis	77.4	57.0	70.0	66.1	110.6
All other forms	12.2	—	8.1	15.4	8.9
Nonresident, Pulmonary Tuberculosis	10	8	—	13	12
Non-resident, all other forms	2	3	2	—	1
Mobile X-ray Clinic	101,965	9,902	—	—	61,699

Kinsmen's Club Service

Total visits by nurse	5,200	4,739	2,007	1,986	2,585
Visits to T.B. cases	1,060	740	693	610	709
Visits to contact cases	2,552	1,786	1,063	1,102	1,596
Observation visits	296	315	251	220	240
Tuberculin tests in homes, offices, etc.	943	423	—	—	—

*Rate per 100,000 population.

WELL BABY AND PRE-SCHOOL CLINIC

	1952	1951	1950	1949	1948
Number of clinics held	250	249	250	249	232
Attendance under 1 year	10,931	10,408	10,954	10,429	9,594
Attendance over 1 year of age....	3,920	4,045	4,368	4,823	3,793
Total attendance	14,851	14,453	15,322	15,272	13,387
Average attendance	59	58	61	61	58
New admissions under 1 year....	3,066	2,842	2,869	2,768	2,417
New admissions over 1 year	748	763	723	829	784
Re-admissions	158	153	113	121	123
Referred to Family Doctor	157	137	170	135	112
Out-of-town cases	1,089	1,232	886	—	—
New admissions from out-of-town	450	457	370	356	335

3,741 were discharged due to school age or non attendance; this leaves 9,817 on the active roll.

Medical examinations were under the supervision of Dr. D. B. Leitch, and 605 children were examined by the Doctor.

2,216 home visits were made to problem cases and very young babies. During the year there were 232 student days.

**VICTORIAN ORDER OF NURSES**

	1952	1951	1950	1949	1948
Pre-natal	14	43	84	165	295
Post-natal	23	7	—	9	6
Newborn care	273	322	432	559	711
Newborn instruction	2,690	1,369	1,474	1,576	1,358
Medical and Surgical	8,031	7,608	5,615	5,157	5,609
Total visits	11,131	10,536	8,750	8,819	8,449
Pre-natal clinics	20	36	35	—	50
Total attendance	370	572	393	391	550
Average attendance	19	16	11	—	11
Mothers enrolled	—	104	100	58	115

SANITATION

INSPECTIONS:

	1952	1951
Dwellings	362	314
Hotels, lodging houses, apartment blocks.....	449	313
Schools, blocks, public buildings	66	20
Stores, bakeshops, business establishments	3,192	4,056
Restaurants	3,315	3,391
Garbage cans, etc.	423	518
Streets, lanes, yards, dumps, etc.	160	87
Miscellaneous (including barber shops and beauty parlors)	1,409	563
	9,376	9,262
Re-inspections	502	387

NOTICES:

Written	129	209
Verbal	2,097	1,671
Garbage	118	128

COMPLAINTS:

Received from public	523	556
Justified	466	490
Received from other departments	27	17
Referred to other departments	62	80

The complaints were made up as follows:

Garbage, streets, lanes, etc.	172	189
Vermin	37	43
Housing, plumbing and drainage	184	212
Food and drink	53	53
Miscellaneous	77	59

LICENSES:

License applications investigated	3,168	3,185
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PLUMBING:

Sewer and water notices issued	13	12
Sewer and water installed, buildings removed, etc.	31	14
Extension of time granted	3	18
Plumbing permits issued	2,619	2,531
Plumbing permits issued for old buildings	139	97
Alterations to existing plumbing (fixtures)	1,650	1,324
Privies eliminated through installation of plumbing	139	97
Number of septic tanks installed	12	4

DISINFESTING STATION:	1952	1951
Baths	3,618	3,052
Verminous	—	1
Scabies	38	73
Disinfested	39	74
No. of Men Washing Clothes	3,388	2,254
Units Washed	10,164	6,762

SCAVENGING CLEAN-UP WORK:

Refuse removed during Clean-up Week (cubic yards).....	19,326	12,130
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ANIMALS, BARNS, STYES:

Cow owners	109	118
Hog owners	50	57
Goat owners	8	13
Fur farm owners	37	56

FOOD:

Samples submitted to Provincial Laboratory	10	3
Foodstuffs condemned (lbs.)	712	5,200

WATER:

Water samples taken	9	8
Negative	7	2
*Positive	2	6
For fluorine	11	13
Wells chlorinated	1	3
Wells condemned	1	2

*—Wells condemned or further samples taken after chlorination.

HOUSING:

Three hundred and sixty-two dwellings and 449 hotels, lodging houses, apartment blocks, etc., were checked for vermin, overcrowding and other insanitary conditions and necessary notices were issued.

POISON GAS FUMIGATION:

Hydrocyanic acid gas was used in the fumigation of seven establishments.

ENFORCEMENT OF REGULATIONS:

Prosecutions	1	—
A citizen who failed to comply with the Garbage By-law was fined \$10.00.		

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef	1952	1951	1950
No. of carcasses inspected	3,627	2,634	2,618
Carcasses condemned	15	28	8
Portions condemned	327	299	191
Weight (lbs.) of carcasses and portions condemned	12,315	17,340	7,305
Veal:			
No. of carcasses inspected	1,457	961	1,642
Carcasses condemned	7	6	4
Portions condemned	29	26	49
Weight (lbs.) of carcasses and portions condemned	2,065	1,515	1,755
Mutton:			
No. of carcasses inspected	479	112	225
Carcasses condemned	3	4	5
Portions condemned	19	18	5
Weight (lbs.) of carcasses and portions condemned	210	405	345
Pork:			
No. of carcasses inspected	6,210	3,762	3,572
Carcasses condemned	17	15	17
Portions condemned	2,015	1,253	1,210
Weight (lbs.) of carcasses and portions condemned	35,640	18,580	18,607
Totals:			
No. of carcasses inspected	11,773	7,469	8,057
Carcasses condemned	42	53	34
Portions condemned	2,390	1,596	1,455
Weight (lbs.) of carcasses and portions condemned	50,230	37,840	28,012

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected	7	8	8
Percent .....	.19	.30	.30
Pork:			
Infected	1,351	722	729
Percent	21.76	19.19	20.41

CHIEF CAUSES OF CONDEMNATION, 1952

Beef:	Carcasses	Portions	Weight Lbs.
Abscess		124	1,865
Abscess multiple	2		850
Actinomycosis	2	145	3,850
Bruised	2	5	990
Emaciation	2		775
Tuberculosis	1	8	605
Pneumonia	2		950
Metritis gangrene	2		950
Miscellaneous (adhesions, parasites, peritonitis, jaundice, dying condition)	2	45	1,480
	15	327	12,315
Veal:			
Abscess	1	16	550
Emaciation	2		475
Pneumonia	3		600
Metritis	1		250
Miscellaneous (actinomycosis, bruised, parasites)		13	190
	7	29	2,065
Mutton:			
Peritonitis	1		65
Abscess multiple	2		105
Parasites		19	40
	3	19	210
Pork:			
Abscess multiple	5		1,475
Adhesions		158	2,570
Bruised	1	11	405
Contamination		239	4,205
Parasites		157	895
Tuberculosis	4	1,436	24,650
Miscellaneous (abscess, rhinitis, arthritis, jaundice, abscess peritonitis)	7	14	1,440
	17	2,015	35,640

DISEASED ANIMALS

	1952	1951	1950
Beef	305	271	184
Veal	27	26	43
Mutton	22	6	5
Pork	1,537	995	910
Total amount of meat condemned	50,230	37,840	28,012

FOODSTUFFS CONDEMNED BY INSPECTORS

Fruit and vegetables	4	—	—
Meat	72	—	12
Poultry	60	111	154
Damaged by fire, flood, etc.	531	4,951	3,407
Sundries	45	138	—
Total (lbs.)	712	5,200	3,573



MILK AND WATER REPORT

	1952		1951	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Inspections:				
Producer-distributors, raw milk	1	7	1	4
Producer-shippers, milk	481	1,035	436	953
Producer-shippers, cream		45		—
Producers—Contacts		456		—
Vehicles		254		181
Pasteurization Plants—Contacts		237		—
Pasteurization Plants	4	204	4	188
Milk Cans condemned		82		—
Others, Complaints, etc.		11		10
Licenses and Permits:				
Retail milk certificates issued		596		580
Dairy Licenses issued		481		436
Dairy Licenses refused		1		7
Dairy Licenses suspended temporarily		159		101
Permits issued to cow keepers in the city		127		132
Samples:				
Milk samples taken, retail		1,119		1,182
Milk samples taken, shippers		10,420		9,027
Cream samples taken		208		191
Special Milk samples		3		13
Chocolate Milk samples		105		89
Ice cream samples		29		33
TESTS—Milk:				
Standard plate counts		1,119		1,182
Coliform tests		273		267
Phosphatase tests		623		605
Methylene blue tests		10,420		9,074
Butterfat tests		79		167
Restaurants:				
Swab tests of utensils		1,075		1,236
Water:				
Standard plate counts		282		282
Coliform tests		282		282
Chlorine content checks		282		265
Raw river water plate counts		43		36
Swimming Pools:				
Plate counts		155		166
Coliform tests		155		166
Inspections		194		131

